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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,454	08/31/2001	Steven Verhaverbeke	004936 USA/ETCH/METAL	3536
32588 759	08/28/2002			
APPLIED MATERIALS, INC.			EXAMINER	
2881 SCOTT BI SANTA CLARA			KILDAY, LISA A	
			ART UNIT	PAPER NUMBER
			2829	
			DATE MAILED: 08/28/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	09/945,454	VERHAVERBEKE ET AL.	
Office Action Summary	Examiner	Art Unit	
	Lisa A Kilday	2829	
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet w	vith the correspond nce address	
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	.136(a). In no event, however, may a ply within the statutory minimum of the will apply and will expire SIX (6) MC te, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communicatio BANDONED (35 U.S.C. § 133).	n.
1)⊠ Responsive to communication(s) filed on <u>31</u>	August 2001		
	his action is non-final.		
3) Since this application is in condition for allow closed in accordance with the practice unde	vance except for formal ma		is
Disposition of Claims			
4) \boxtimes Claim(s) <u>1-79</u> is/are pending in the application	n.		
4a) Of the above claim(s) is/are withdra	awn from consideration.		
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
 8) ☐ Claim(s) <u>1-79</u> are subject to restriction and/or Application Papers 	election requirement.		
·· _			
9) The specification is objected to by the Examin		the Evenines	
10) The drawing(s) filed on is/are: a) acce	•		
Applicant may not request that any objection to the state of the state	- · · ·	• •	
If approved, corrected drawings are required in re		disapproved by the Examiner.	
12) The oath or declaration is objected to by the E	• •		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreig	ın priority under 35 U.S.C.	§ 119(a)-(d) or (f)	
a) ☐ All b) ☐ Some * c) ☐ None of:	,,	3	
1. Certified copies of the priority documen	ts have been received.		
2. Certified copies of the priority documen		Application No.	
3. Copies of the certified copies of the pricapplication from the International B	ority documents have beer ureau (PCT Rule 17.2(a)).	n received in this National Stage	
* See the attached detailed Office action for a lis	·		
14) Acknowledgment is made of a claim for domes			on).
 a) ☐ The translation of the foreign language pr 15)☐ Acknowledgment is made of a claim for domes 			
Attachment(s)	_		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)	

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DETAILED ACTION-

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-5, 11-25, 44-51, drawn to a single wafer wet/dry cleaning apparatus, classified in class 204, subclass 193.
- II. Claims 6-10, 26-43, 66-79, drawn to a method of cleaning a photoresist layer, classified in class 438, subclass 689.
- III. Claim 52, drawn to a method for forming a transistor, classified in class 438, subclass 149.
- IV. Claims 53-56, drawn to method of etching Silicon nitride, classified in class 438, subclass 724.
- V. Claims 57-65, drawn to apparatus for photolithography, classified in class118, subclass 52.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, the apparatus could be used to form a transistor or coat Silicon nitride.

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Inventions III and V are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, the apparatus could be used to form dual damascene layers.

Inventions IV and I are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, the apparatus could be limited to RCA cleaning.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

A telephone call was made to Michael Bernadicou on 8/7/02 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0957. See MPEP 203.08.

Any inquiry concerning this communication from the examiner should be directed to Lisa Kilday whose telephone number is (703) 306-5728. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry, can be reached on (703) 308-1680. The fax number for the group is (703) 305-3432. MPEP 502.01 contains instructions regarding procedures used in submitting responses by facsimile transmission.

Lisa Kilday

LAK

8/19/02

MICHAEL SHERRY
SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2800